

ABSTRACT

The present invention is directed to calendaring an electrode active admixture, such as of a transition metal oxide, and particularly silver vanadium oxide, into an electrode structure. To obtain electrode structures of a desired low basis weight requires calendaring a paste of the active material into a first sheet tape, which is subsequently subjected to secondary and ternary calendaring steps. Secondary calendaring is performed in a direction reverse or orthogonal to that used to form the initial sheet tape. The final calendaring step is performed in a third direction aligned 180° with respect to the first direction, but with the second structure rotated bottom over top with respect to the orientation that formed the first and second structures. The ternary calendaring step provides for fibrillation of the fluoro-polymeric binder in a direction reverse to the initial direction to form the product low basis weight electrode active structure.